

DPR's Surface Water Database - see 110 pg.

Exceedance
Acrobat File

Study Code	Organization	Study Years	Publish Year
10	DPR	1991-1993	1993

DPR San Joaquin River study (10,984 records). Water samples were collected from the SJR at Laird Park seasonally from 1991 through 1993. Lagrangian samples were also taken from 23 tributary inputs. Samples were analyzed for 37 pesticidal compounds, water quality info, and biotoxicity data. 22 ais and breakdown products were detected. Results and QA/QC reported in memoranda and DPR study EH 96-02, "Distribution and mass loading of insecticides in the San Joaquin River, California, winter 1991-92 and 1992-93". Final reports for other seasons pending.

Diazinon }
Methidathion } } exceedances
 } @
 } Ledgerwood C

13	SWRCB	1993-1994	1994
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SWRCB Colorado River Basin Toxicity monitoring (4,997 records), March 1993 through Feb. 1994. Alamo River sampling at 11 fixed sampling sites. Biotoxicity monitoring, TIEs and chemical analyses for 73 compounds were conducted during the study. 22 compounds were detected. Results incomplete; lacking biotoxicity and water quality data. Data kept in incomplete data table.

14	DPR	1993-1995	1998
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DPR Four Rivers Monitoring study. Water samples were collected weekly from the Salinas, Russian, Sacramento, and Merced rivers and analyzed for 37 compounds. Biotoxicity tests were conducted by CDFG at the Aquatic Tox. Lab. Chlorpyrifos, diazinon, dimethoate, methidathion, and 3-hydroxycarbofuran were detected. The Salinas and Russian rivers were sampled from 8/94-8/95; the Sacramento River from 11/93-11/94; and the Merced River from 6/94-6/95. Results reported in memoranda; final report due in 1998.

17	DPR	1995	1995
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DPR 1995 rice pesticide monitoring program (326 records). Water samples were collected from Colusa Basin Drain, Butte Slough, and the Sacramento River during April through July and analyzed for 5 rice pesticides: molinate, carbofuran, thiobencarb, malathion, and methyl parathion. All 5 were detected at Colusa BD and Butte Slough. Acute biotoxicity testing was done on some samples from Colusa BD; no significant biotoxicity was seen.

30	DPR	1996	1996
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DPR 1996 rice pesticide monitoring program (350 records). Water samples were collected from Colusa Basin Drain, Butte Slough, Sacramento Slough, and the Sacramento River during April through June and analyzed for the rice pesticides molinate, carbofuran, malathion, methylparathion, and thiobencarb, and the phenoxy pesticides 2,4-D and MCPA. All 7 were detected at Colusa BD. Acute biotoxicity testing was done on some samples from Colusa BD; significant toxicity was seen in 1 sample.

31	Sutter County Dept. of Agriculture	1997	1997
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Sutter County Dept. of Agriculture (data forwarded by Ron Thompson, PUE, June 1997). Ag. drain that supplies water for Sutter Basin was sampled for compounds suspected of causing cotton to show phenoxy symptoms. MCPA, 2,4-D, and triclopyr were detected. Investigation continuing.

Study Code	Organization	Study Years	Publish Year
40	DPR	1998	1998
DPR 1998 rice pesticide monitoring program. Water samples were collected from Colusa Basin Drain, Butte Slough, and the Sacramento River during May and June, and analyzed for thiobencarb, carbofuran, methyl parathion, malathion, propanil, triclopyr, and MCPA. Significant toxicity was seen in one acute test.			
41	USGS	1996-1998	1998
USGS NAWQA sampling results for sites located in the Sacramento River watershed at Freeport, Arcade Creek, Feather River, and Colusa Basin Drain at Knights Landing. Samples were taken bimonthly during 1996-1998. 85 compounds were sampled for; 43 were detected. Detections reported below the RPL were entered into the database as zero. Report in preparation.			
42	Sacramento River Watershed Program	1996-1998	1998
Sacramento River Watershed Program, 1996-98 (110 records). Diazinon and chlorpyrifos detected at Arcade Creek; diazinon at Sacramento Slough and Feather River. Complete biotox results not received.			
43	CVRWQCB	1991-1992	1992
CVRWQCB study Pesticides in surface water from applications on orchards and alfalfa during the winter and spring 1991-92 by Chris Foe. Eleven orchard sites in Sac and SJ River watersheds and 13 alfalfa sites in Delta Estuary were monitored in 1992. Biototoxicity samples showed significant toxicity.			
44	Deltakeeper	1994-1998	1998
Deltakeeper monitoring data, 1996-98 (20 records). Diazinon and/or chlorpyrifos detections at six Delta sites. Incomplete data; need location info. for 94-95 monitoring, biotox results, and report.			
45	Dow AgroSciences	1996-1997	1997
Dow AgroSciences (3173 records). Daily composite samples were taken from three sites on Orestimba Creek, Stanislaus County, from 5/96 through 4/97 and analyzed for chlorpyrifos, diazinon, and methidathion. Weekly grab samples also collected from the Orestimba Creeksite near Crows Landing. Chlorpyrifos was detected in 786 of 1143 samples, diazinon in 877 of 1063, and methidathion in 58 of 967 samples.			
46	USGS	1993	1993
U.S. Geological Survey- "Occurrence and distribution of dissolved pesticides in the San Joaquin River Basin, California." This study is part of the USGS National Water Quality Assessment Program 1993 to monitor pesticides in the San Joaquin River and three of its tributaries- Orestimba Creek, Salt Slough, and Merced River. From January 6, 1993 to December 29, 1993, 143 water samples were analyzed through GC/MS and HPLC for 83 pesticides. Of the 49 pesticides detected, the most frequently found herbicides and insecticides were dacthal, EPTC, metalaclor, simazine, chlorpyrifos, and diazinon. Information taken from a combination of a published report and downloaded Internet data did not include water quality nor toxicity data. QA/QC data however was included as part of the published report.			

← only study in Region 2 (Ledgewood Cr.)

Location Descriptions from DPR Surface Water Database

Location Code	County	Drainage	MTRS	Lat	Long	ddlat	ddlong	HydroUnit	
401	04	Butte	04M17N01E02	392144	1214924	39.36222	-121.8233	520.1	
Main Drainage Canal at Colusa Hwy (trib to Cherokee Canal)									
402	04	Butte	Sacramento River	04M22N01W20	394507	1215942	39.75194	0-121.995	504.2
Sacramento River at Hamilton at Hwy 32 Bridge									
601	06	Colusa		06M13N01W10	385931	1220224	38.99199	-121.9597	520.21
Clarks Ditch, trib. to Colusa Basin Drain									
603	06	Colusa		06M15N02W02	391100	1220300	39.18333	00-122.05	520.21
Colusa Basin Drain #5									
604	06	Colusa	Sacramento River	06M16N01W29	391251	1215957	39.21417	-121.9991	502.1
Sacramento River at Colusa, 60 ft. downstream from highway bridge									
704	07	Contra Costa	Delta	07M02N02E25	375929	1214229	37.99151	-121.7083	544
Marsh Creek at Cypress Rd bridge (trib to western Delta)									
1101	11	Glenn	Sacramento River	11M19N01W32	392727	1215907	39.4575	-121.9852	520.4
Sacramento River at Butte City at Hwy 162 bridge									
1102	11	Glenn	Sacramento River	11M21N01W19	393739	1215929	39.6275	-121.9913	504.2
Sacramento River at Ord Bend Rd Bridge									
1301	13	Imperial	Alamo River	13S11S13E23	331157	1153547	33.19917	-115.5963	723.1
Alamo River at Outlet									
1302	13	Imperial	Alamo River	13S12S14E29	330610	1153235	33.10278	-115.543	723.1
Alamo River at Albright Road (Nectarine Drain Area)									
1303	13	Imperial	Alamo River	13S13S15E19	330005	1152803	33.00139	-115.4675	723.1
Alamo River at Shank Road (Magnolia Drain Area)									
1304	13	Imperial	Alamo River	13S14S15E06	325832	1152748	32.97556	-115.4633	723.1
Alamo River downstream of Rose Drain									
1305	13	Imperial	Alamo River	13S14S15E18	325553	1152723	32.93139	-115.4563	723.1
Alamo River downstream of Holtville Main Drain									
1306	13	Imperial	Alamo River	13S14S15E32	325331	1152428	32.89194	-115.4077	723.1
Alamo River at Harris Street Bridge									

*No Region 2
Sites except
Solano*

4805	48	Solano		48M05N02W17	381651	1220620	38.28085	-122.1057	207.23
Ledgewood Creek in City of Fairfield									
4806	48	Solano		48M06N01W20	382110	1215944	38.35302	-121.9956	511.1
Ulatis Creek at Brown Road									
4902	49	Sonoma	Russian River	49M08N10W26	383032	1225535	38.50889	-122.9216	114.25
Russian River at Hacienda Bridge									
4903	49	Sonoma	Russian River	49M08N10W28	383048	1225848	38.51333	00-122.98	114.25
Russian River at Midway Beach									
5001	50	Stanislaus	Stanislaus River	50M02S08E29	374347	1210634	37.7299	-121.1094	535.1
Stanislaus River at Ripon									
5002	50	Stanislaus	San Joaquin River	50M03S07E29	373827	1211340	37.64083	-121.2277	535.3
San Joaquin River at Maze Blvd.									
5003	50	Stanislaus		50M03S09E23	373910	1205706	37.65278	-120.9516	535.3
Sonoma stormdrain at Scenic Dr, Modesto									
5004	50	Stanislaus		50M03S09E24	373925	1205507	37.65694	-120.9186	535.3
Dry Creek at Claus Rd, Modesto									
5005	50	Stanislaus		50M03S09E28	373847	1205908	37.64638	-120.9855	535.3
McHenry stormdrain at Bodem St, Modesto									
5006	50	Stanislaus		50M03S09E32	373749	1205937	37.63028	-120.9936	535.3
Ninth St stormdrain at 7th St Bridge, Modesto									
5007	50	Stanislaus	Tuolumne River	50M03S09E33	373738	1205911	37.6272	-120.9863	535.3
Tuolumne River at Modesto									
5008	50	Stanislaus		50M03S09E33	373811	1205900	37.63639	-120.9833	535.3
Dry Creek at Gallo Rd near Modesto									
5009	50	Stanislaus		50M03S10E19	373948	1205504	37.66333	-120.9177	535.3
Farabundo Stormdrain, Modesto									
5010	50	Stanislaus		50M03S11E13	374027	1204242	37.67417	-120.7116	535.3
Dry Creek at Leask Bridge nr Waterford									
5011	50	Stanislaus		50M03S11E20	374024	1204624	37.67333	-120.7733	535.3
Oakdale Irr Dist at Ellenwood Rd nr Waterford									

Region 2 Site *